(19) World Intellectual Property Organization

International Bureau



1 10011 BINGSON NEBENDANGE BENGADARK DAN 141 MA DERBE BENGADAR NORMAN BENGADARK NORMAN BENGADARK NORMAN BENGADA

(43) International Publication Date 1 September 2005 (01.09.2005)

PCT

(10) International Publication Number WO 2005/080314 A2

(51) International Patent Classification⁷: 225/36

C07C 221/00,

(21) International Application Number:

PCT/GB2005/000496

- (22) International Filing Date: 11 February 2005 (11.02.2005)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/544,778

13 February 2004 (13.02.2004) Us

- (71) Applicant (for all designated States except US): KU-DOS PHARMACEUTICALS LIMITED [GB/GB]; 327 Cambridge Science Park, Milton Road, Cambridge Cambridgeshire CB4 OWG (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MATTHEWS, Ian, Timothy, William [GB/GB]; 7 Wimblehurst Road, Horsham Sussex RH12 2EA (GB). SCOTT, Ronald, Michael [GB/GB]; Chemical Synthesis Services, Seagoe Industrial Estate, Craigavon Armagh BT63 5UA (GB). BARRY, John, Francis [GB/GB]; Chemical Synthesis Services, Seagoe Industrial Estate, Craigavon Armagh BT63 5UA (GB). HUGHES, Stephen, William [GB/GB]; Chemical Synthesis Services, Seagoe Industrial Estate, Craigavon Armagh BT63 5UA (GB). HESLIP, Ann [GB/GB]; Chemical Synthesis Services, Seagoe Industrial Estate, Craigavon Armagh BT63 5UA (GB).

- (74) Agents: WATSON, Robert et al.; Mewburn Ellis LLP, York House, 23 Kingsway, London Greater London WC2B 6HP (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

of inventorship (Rule 4.17(iv)) for US only

Published

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR THE PREPARATION OF AQ4N

(57) Abstract: A process for the preparation of compound AQ4N of formula (2) or a salt or solvate thereof wherein the said process includes the reaction step: Formula (1), Formula (2), where compound AQ4 of formula (1) is oxidised to compound AQ4N of formula (2) with an oxidising agent at a reaction temperature not exceeding 10°C.